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OM protein - protein search, using sw model

Run on: September 13, 2004, 09:54:15 ; Search time 32 Seconds
(without alignments)
188.757 Million cell updates/sec

Title: US-10-066-273-9

Perfect score: 609

Sequence: 1 MIVFGWVFLASRLGQGLL.....QNVGVLDTLAVIRTLVDK 117

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 500 summaries

Database : Issued Patents AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	79	13.0	287	4	US-09-252-991A-30267
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4	78	12.8	1531	4	US-09-418-710-29
5	75	12.3	433	2	US-08-466-120-2
6	75	12.3	433	5	PCT-US94-07266-2
7	75	12.3	1525	4	US-09-418-710-69
8	74.5	12.2	462	2	US-08-865-597A-2
9	73.5	12.1	2509	2	US-08-149-097D-35
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12	72.5	11.9	333	4	US-09-252-991A-28443
13	71.5	11.7	562	4	US-09-252-991A-20178
14	71.5	11.7	566	4	US-09-252-991A-18531
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112	65	10.7	1681	4	US-09-535-008-77	Sequence 77, Appl	185	62.5	10.3	725	4	US-09-252-991A-23752	Sequence 23752, A
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117	64.5	10.6	236	4	US-09-252-991A-26384	Sequence 26384, A	190	62	10.2	191	2	US-08-230-665A-172	Sequence 172, App
118	64.5	10.6	319	4	US-08-635-886C-211	Sequence 211, App	191	62	10.2	191	2	US-08-230-665A-174	Sequence 174, App
119	64.5	10.6	319	4	US-08-974-690C-211	Sequence 211, App	192	62	10.2	191	5	PCT-US95-10398-161	Sequence 161, App
120	64.5	10.6	388	4	US-09-880-137-6	Sequence 6, Appl	193	62	10.2	191	5	PCT-US95-10398-172	Sequence 172, App
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132	64	10.5	412	4	US-09-252-991A-20198	Sequence 20198, A	205	61.5	10.1	191	2	US-08-230-665A-171	Sequence 171, App
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134	64	10.5	1182	3	US-09-041-886-21	Sequence 21, Appl	207	61.5	10.1	191	2	US-08-230-665A-197	Sequence 197, App
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138	63.5	10.4	281	3	US-08-935-855-9	Sequence 9, Appl	211	61.5	10.1	191	5	PCT-US95-10398-171	Sequence 171, App
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140	63.5	10.4	515	4	US-09-252-991A-32630	Sequence 32630, A	213	61.5	10.1	191	5	PCT-US95-10398-197	Sequence 197, App
141	63.5	10.4	788	4	US-09-252-991A-28171	Sequence 28171, A	214	61.5	10.1	191	5	PCT-US95-10398-206	Sequence 206, App
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144	63.5	10.4	855	3	US-08-885-291-2	Sequence 2, Appl	217	61.5	10.1	262	4	US-09-252-991A-19030	Sequence 19030, A
145	63.5	10.4	855	3	US-09-496-672-2	Sequence 2, Appl	218	61.5	10.1	319	3	US-08-836-075A-12	Sequence 12, Appl
146	63.5	10.4	855	4	US-09-618-425-11	Sequence 11, Appl	219	61.5	10.1	319	4	US-08-635-886C-199	Sequence 199, App
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148	63.5	10.4	1299	4	US-09-252-991A-31121	Sequence 31121, A	221	61.5	10.1	319	4	US-08-635-886C-228	Sequence 228, App
149	63.5	10.4	1341	3	US-08-963-825-18	Sequence 18, Appl	222	61.5	10.1	319	4	US-08-974-690C-199	Sequence 199, App
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162	63	10.3	575	3	US-08-924-345-3	Sequence 3, Appl	235	61.5	10.1	1089	4	US-09-252-991A-31760	Sequence 31760, A
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164	63	10.3	617	2	US-08-185-949B-58	Sequence 58, Appl	237	61.5	10.1	2285	4	US-09-252-991A-17790	Sequence 17790, A
165	63	10.3	689	4	US-09-252-991A-31790	Sequence 31790, A	238	61	10.0	144	3	US-08-444-818-103	Sequence 103, App
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167	63	10.3	966	1	US-08-909-984A-2	Sequence 2, Appl	240	61	10.0	150	2	US-08-407-410B-16	Sequence 16, Appl
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171	62.5	10.3	126	1	US-08-899-575-145	Sequence 145, App	244	61	10.0	169	3	US-08-444-818-93	Sequence 93, Appl
172	62.5	10.3	126	5	PCT-US95-08743-145	Sequence 145, App	245	61	10.0	182	4	US-10-104-966-2	Sequence 2, Appl
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248	61	10.0	191	2	US-08-290-665A-156	Sequence 156, App	321	61	10.0	1461	4	US-09-585-887-9	Sequence 9, Appl
249	61	10.0	191	2	US-08-290-665A-157	Sequence 157, App	322	61	10.0	1461	4	US-09-289-578-9	Sequence 9, Appl
250	61	10.0	191	2	US-08-290-665A-158	Sequence 158, App	323	61	10.0	1461	4	US-08-188-281B-12	Sequence 12, Appl
251	61	10.0	191	2	US-08-290-665A-159	Sequence 159, App	324	61	10.0	1648	5	PCT-US94-07280-12	Sequence 12, Appl
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ALIGNMENTS

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; Sequence 20180, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; PRIOR FILING DATE: 1999-02-18
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; SEQ ID NO 20180
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US-09-252-991A-20180
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Query Match 13.1%; Score 80; DB 4; Length 460;

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; Patent No. 6596482
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; APPLICANT: Jones, Michael H.
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATOR
; FILE REFERENCE: 06501-042001
; CURRENT APPLICATION NUMBER: US/09/418,710
; CURRENT FILING DATE: 1999-10-15
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; ORGANISM: Homo sapiens
US-09-418-710-29

Query Match      13.0%; Score 79; DB 4; Length 287;
Best Local Similarity 37.5%; Pred. No. 0.3;
Matches 21; Conservative 7; Mismatches 24; Indels 4; Gaps 1;

QY 51 GTDSDVDTQQQAENS AVPTADTRSQPRDPVRRP-----RRGRGPHPRKKQNVDG 102
DB 15 GRDPKRTQQRRDRHPAGEVAREGPARPRRPGGLACRGAGKGRHRRPQVFG 70

RESULT 3
US-09-418-710-27
; Sequence 27, Application US/09418710
; Patent No. 6596482
; GENERAL INFORMATION:
; APPLICANT: Jones, Michael H.
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATOR
; FILE REFERENCE: 06501-042001
; CURRENT APPLICATION NUMBER: US/09/418,710
; CURRENT FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: PCT/JP98/01783
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: JP 9/310027
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: JP 9/116570
; PRIOR FILING DATE: 1997-04-18
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 1527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-418-710-27

Query Match      12.8%; Score 78; DB 4; Length 1527;
Best Local Similarity 27.5%; Pred. No. 3.5;
Matches 22; Conservative 12; Mismatches 26; Indels 20; Gaps 3;

QY 48 DDSGTDDSDVDTQQQAENS AVPTADTRSQPRDPVR-----PP-----RRGRGPHPRR 95
DB 1255 EDESDSEEEEEEEEDYEAGLRUPRKTIRKGHSVIPPAARSGRRPGKKPHSTR 1314

QY 96 KK-----QNVGGLVLDLT 107
DB 1315 SQKAPPVDDAEVDELVLQT 1334

RESULT 4
US-09-418-710-29
; Sequence 29, Application US/09418710
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; Patent No. 6596482
; GENERAL INFORMATION:
; APPLICANT: Jones, Michael H.
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATOR
; FILE REFERENCE: 06501-042001
; CURRENT APPLICATION NUMBER: US/09/418,710
; CURRENT FILING DATE: 1999-10-15
; PRIOR APPLICATION NUMBER: PCT/JP98/01783
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: JP 9/310027
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: JP 9/116570
; PRIOR FILING DATE: 1997-04-18
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 1531
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-418-710-29

Query Match      12.8%; Score 78; DB 4; Length 1531;
Best Local Similarity 27.5%; Pred. No. 3.5;
Matches 22; Conservative 12; Mismatches 26; Indels 20; Gaps 3;

QY 48 DDSGTDDSDVDTQQQAENS AVPTADTRSQPRDPVR-----PP-----RRGRGPHPRR 95
DB 1259 EDESDSEEEEEEEEDYEAGLRUPRKTIRKGHSVIPPAARSGRRPGKKPHSTR 1318

QY 96 KK-----QNVGGLVLDLT 107
DB 1319 SQKAPPVDDAEVDELVLQT 1338

RESULT 5
US-08-466-120-2
; Sequence 2, Application US/08466120
; Patent No. 5869284
; GENERAL INFORMATION:
; APPLICANT: CAO, ET AL.
; TITLE OF INVENTION: Retinoic Acid Receptor Epsilon
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,120
; FILING DATE: June 6, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/07266
; FILING DATE: 24 JUN 94
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-354
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 433 AMINO ACIDS
; TYPE: AMINO ACID
```


RESULT 9
US-08-149-097D-35
; Sequence 35, Application US/08149097D
; Patent No. 5874236
; GENERAL INFORMATION:
; APPLICANT: Harpold, Michael
; APPLICANT: Ellis, Steven
; APPLICANT: Williams, Mark
; APPLICANT: Feldman, Daniel
; APPLICANT: McCue, Ann
; APPLICANT: Brenner, Robert
; TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: 08/105,536
; APPLICATION NUMBER: US/08/149,097D
; FILING DATE: 05-NOV-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/105,536
; FILING DATE: 11-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US92/06903
; FILING DATE: 14-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/914,231
; FILING DATE: 13-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/868,354
; FILING DATE: 10-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/745,206
; FILING DATE: 15-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/620,250
; FILING DATE: 30-NOV-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/482,384
; FILING DATE: 20-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/603,751
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US89/01408
; FILING DATE: 04-APR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/176,899
; FILING DATE: 04-APR-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie L.

US-09-029-348-2

; Sequence 2, Application US/09029348

; Patent No. 6171827

; GENERAL INFORMATION:

; APPLICANT: THE VICTORIA UNIVERSITY OF MANCHESTER

; TITLE OF INVENTION: NOVEL PROCOLLAGENS

; FILE REFERENCE: G087857PUS LISTING

; CURRENT APPLICATION NUMBER: US/09/029,348

; PRIOR FILING DATE: 1998-05-07

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 626

; TYPE: PRP

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: SEQUENCE

; OTHER INFORMATION: DERIVED FROM cDNA OF PROCOLLAGENS

US-09-029-348-2

Query Match 12.0%; Score 73; DB 3; Length 626;
Best Local Similarity 28.8%; Pred. No. 4.2;
Matches 30; Conservative 10; Mismatches 36; Indels 28; Gaps 7;

QY 16 GQGLLTLEH---IAHFLGTGGAAATMGNS-----CICRDSGT---DDS 55

Db 8 GSWLLALLHPTIILAQAEVGGCSHLGQSYADRDVWKPEPCQICVC--DSGVLCDI 65

QY 56 V-DTQQQAENSAPV-----TADTRSQPRDPVRRPRGRGPHPR 94

Db 66 ICDDQLDCNPFLPFGECCAVCPQPTAPTRPP-NGQPGQPK 108

RESULT 12

US-09-252-991A-28443

; Sequence 28443, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 28443

; LENGTH: 333

; TYPE: PRP

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-28443

Query Match 11.9%; Score 72.5; DB 4; Length 333;
Best Local Similarity 27.5%; Pred. No. 2.1;
Matches 25; Conservative 7; Mismatches 24; Indels 35; Gaps 3;

QY 29 HELGTGGAATTMGNSCICRDSGTDSVDTQQQAENSAPV-----TADTRSQPRDPVR 82

Db 216 HRLRTGG-----DEAGDEGRHHQPRQAAHRRRLFLGPDPRAGDHRRRGAEPDR 262

QY 83 P-----PRRGPHPRPKK 97

Db 263 QRTGDPAGHREAPGSLRPRPRGHLPRRRR 293

RESULT 13

US-09-252-991A-20178

; Sequence 20178, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20178
; LENGTH: 562
; TYPE: PRP
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20178

Query Match 11.7%; Score 71.5; DB 4; Length 562;
Best Local Similarity 29.7%; Pred. No. 5.5;
Matches 22; Conservative 6; Mismatches 29; Indels 17; Gaps 2;

QY 36 AATTMGNSCICRDSGTDSVDTQQQAENSAPVTDTRSQPRDPVRRPRGRGPHPR-- 93

Db 79 AATPAG-----EDGQLHQGRRRLAGPGSGAGAPADPRPPGRRRRGAQRP 127

QY 94 ----RRKKQNVG 103

Db 128 VAGSRARRSGTDAL 141

RESULT 14

US-09-252-991A-18531

; Sequence 18531, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 18531

; LENGTH: 566

; TYPE: PRP

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-18531

Query Match 11.7%; Score 71.5; DB 4; Length 566;
Best Local Similarity 23.6%; Pred. No. 5.6;
Matches 29; Conservative 10; Mismatches 37; Indels 47; Gaps 4;

QY 23 LEEHIAHEVTGGAATTMGNSC--ICRDSGTDDSDV-----TQQQAENSAPVTA 71

Db 118 LERRLQFFGAQGTATGRRRSCQIRVQAPGPGRSVDPFGHQGPFAHRRAGSGTEG 177

QY 72 DTRSQPRDP-----VRPPR-----GRGPHEPR 95

Db 178 RTERRAPRAGQQLPAGKEGVQVQADRGARQLRPSRPPAAGTRLLHGPARRPFRPAR 237

QY 96 KKQ 98

Db 238 RQR 240

RESULT 15

US-09-252-991A-26099

; Sequence 26099, Application US/09252991A

; Patent No. 6551795


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; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26099
; LENGTH: 863
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-26099

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Query Match 11.7%; Score 71; DB 4; Length 863;
Best Local Similarity 29.1%; Pred. No. 11;
Matches 25; Conservative 8; Mismatches 33; Indels 20; Gaps 3;

Qy	31	LG TGGGAATT-----	MGNSCTCRDDSGTDDSDVDTQQQAENSAVPTADT-----	RS 75
Db	335	LGPGTAARRTHRPWPGRAGGDA	LLRPDAGOADRLRGLDPRRSPQAQADPRAGALRAAGRR	394

QY 76 QPRDPVRPP-----RRGRGPHEPRRK 96
||| : ||| ||| ||| :
Db 395 QPAVPRPPPGASGLRRRRRGDHLHRR 420

Search completed: September 13, 2004, 10:05:53
Job time : 39 secs

